# AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT

| 1. CONTRACT ID CODE | PAGE | OF | PAGES |
|---|---|---|---|
| | 1 | | 2 |

| 2. AMENDMENT/MODIFICATION NO. | 3. EFFECTIVE DATE | 4. REQUISITION/PURCHASE REQ. NO. | 5. PROJECT NO. *(If applicable)* |
|---|---|---|---|
| 0003 | 8 February 2002 | | |

| 6. ISSUED BY | CODE | 7. ADMINISTERED BY *(If other than Item 6)* | CODE |
|---|---|---|---|
| US ARMY ENGINEER DISTRICT, FORT WORTH<br>ATTN: CESWF-CT (RM 2A19)<br>PO BOX 17300<br>FORT WORTH, TX 76102-0300 | | | |

| 8. NAME AND ADDRESS OF CONTRACTOR *(No., street, county, State and ZIP Code)* | (X) | 9A. AMENDMENT OF SOLICIATION NO. |
|---|---|---|
| | | DACA63-02-R-0007 |
| | ☒ | 9B. DATED *(SEE ITEM 11)*<br>15 JANUARY 2002 |
| | ☐ | 10A. MODIFICATION OF CONTRACT/ORDER NO. |
| | | 10B. DATED *(SEE ITEM 11)* |

| CODE | FACILITY CODE |
|---|---|
| | |

## 11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS

☒ The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers ☒ is extended, ☐ is not extended.

Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods:

(a)By completing items 8 and 15, and returning 1 copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment your desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. ACCOUNTING AND APPROPRIATION DATA *(If required)*

## 13. THIS ITEM ONLY APPLIES TO MODIFICATION OF CONTRACTS/ORDERS. IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.

| CHECK ONE | |
|---|---|
| | A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: *(Specify authority)* THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A. |
| | B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES *(such as changes in paying office, appropriation date, etc.)* SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b). |
| | C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF: |
| | D. OTHER *(Specify type of modification and authority)* |

**E. IMPORTANT:** Contractor ☐ is not, ☐ is required to sign this document and return _____ copies to the issuing office.

14. DESCRIPTION OF AMENDMENT/MODIFICATION (*Organized by UCF section headings, including solicitation/contract subject matter where feasible.)*

The Request for Proposal for Design-Build Consolidated Library and Education Center, Fort Polk, Louisiana, is amended as follows:

See Continuation Sheet.

Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.

| 15A. NAME AND TITLE OF SIGNER *(Type or print)* | | 16A. NAME AND TITLE OF CONTRACTING OFFICER *(Type or print)* | |
|---|---|---|---|
| 15B. CONTRACTOR/OFFEROR | 15C. DATE SIGNED | 16B. UNITED STATES OF AMERICA | 16C. DATE SIGNED |
| *(Signature of person authorized to sign)* | | *(Signature of Contracting Officer)* | |

Item 14. Continued.

**CHANGES TO VOLUME I – PROJECT INFORMATION, BIDDING REQUIREMENTS, CONTRACT FORMS, AND CONDITIONS OF THE CONTRACT**

1. Standard Form 1442, Item 13.A. – Change the time and date for Receipt of Proposals from “4 pm local time 14 February 2002” to **“4 pm local time 21 February 2002”**

2. Replace the following Sections with the attached new Sections of the same number and title, each bearing the notation “ACCOMPANYING AMENDMENT NO. 0003 TO SOLICITATION NO. DACA63-02-R-0007.”

SECTION 00120 - PROPOSAL SUBMISSION REQUIREMENTS
SECTION 00150 - PROPOSAL EVALUATION AND CONTRACT AWARD

**CHANGES TO VOLUME II – DESIGN AND PERFORMANCE REQUIREMENTS**

3. Replace the following chapters with the accompanying new chapters of the same number and title, each bearing the notation "ACCOMPANYING AMENDMENT NO. 0003 TO SOLICITATION NO. DACA63-02-R-0007:"

CHAPTER C – INTERIORS
CHAPTER C16 – INTERIOR FINISHES
CHAPTER C23 – WINDOW TREATMENT
CHAPTER C25 – FIXED SEATING

END OF AMENDMENT

SECTION 00120
PROPOSAL SUBMISSION REQUIREMENTS
01/02
**AMENDMENT NO. 0003**

# 1 GENERAL

## 1.1 INTRODUCTION

Through the use of a two-phase procurement process, the Department of the Army desires to obtain the design and construction of Consolidated Library/Education Center Fort Polk, Louisiana. In this procurement procedure consideration will be given initially to the Project Organization and Personnel; Experience; Past Performance; and Financial Capacity. The offerors that are rated the highest on the Phase I evaluation criteria, minimum of two (2) but no more than four (4), will be selected and given the opportunity to offer their preliminary design and cost proposals in Phase II. Final selection and basis for award of the Design/Build Contract will be on the basis of qualifications, technical quality, price, and other salient factors considered to be in the Government's best interests. If awarded the Contract, the offeror shall complete the design and construction documents and construct the facility in compliance with these completed requirements.

## 1.2 WHERE AND WHEN TO SUBMIT PROPOSAL

Submit Phase I of the Proposal no later than the date and time indicated in Item 13.A of the Solicitation, Offer and Award form (Standard Form 1442) found in Section 00010, SOLICITATION, OFFER, AND AWARD. Offerors invited to participate in Phase II will be notified of the date and time for submission of their Phase II proposal.

## 1.3 EXPLANATION TO PROSPECTIVE OFFERORS

Any prospective offeror desiring an explanation or interpretation of the solicitation, drawing, specifications, etc. must request such in writing, and are directed to the individuals listed in Section 00100 INSTRUCTIONS, CONDITIONS, AND NOTICES TO OFFERORS, soon enough to allow a reply to reach all prospective offerors before the submission of their proposals. Oral explanation/instructions given before award of a contract will not be binding. Any information given a prospective offeror concerning a solicitation will be furnished promptly to all other prospective offerors as an amendment to the solicitation, if that information is necessary for submitting proposals, or if the lack of it would be prejudicial to other prospective offerors.

## 1.4 REQUIRED TECHNICAL DATA FOR PROPOSAL SUBMISSION

Offerors are advised that the required data will be utilized for review and evaluation and used for determination of a "Quality Rating" by a Technical Evaluation Board and that all data submitted for consideration under this proposal will be reviewed only for the purposes required for evaluation and award. The Government will not make assumptions concerning the offeror's intent, capabilities, facilities, or experiences. Clear identification is the sole responsibility of the offeror.

## 1.5 PROPOSAL PREPARATION

Instructions for the preparation and organization of each proposal are included herein. The proposal shall be submitted as summarized below and as required by the specifications.

### 1.5.1 Phase I – **(AM#3) Primary Design Construction Team Management** Proposal **(AM#3)**

- **A. Solicitation, Offer, and Award**
- **B. Project Organization and Personnel**
- **C. Experience**
- **D. Past Performance**
- **E. Financial Capacity**

1.5.2 Phase II – Design and Cost/Price Proposal **(AM#3) Phase II will be submitted ONLY by those firms that are rated the highest on Phase I evaluation criteria, minimum of two (2) but no more than four (4).**

**A. Design Proposal (Volume I)**
**B. Preliminary Project Schedule (Volume I)**

**(AM#3)**

**C. Pro Forma Requirements (Volume II)**

1.5.3 Format

1.5.3.1 Written Material

a. All written material, including catalog cuts, shall be submitted in standard three ring loose-leaf binders. Proposals shall be tabbed and labeled in a manner to afford easy identification from a Table of Contents. Font size shall be not less than 10 point. Each page shall be identified with the appropriate page number centered at the bottom of the page. Sheet size of the proposal contents shall be 8 ½ by 11 inches. 11 by 17 inch sheets will be allowed for charts and tables but will be counted as 2 single-sided or 4 double-sided pages. Legibility, clarity, coherence, and the contents are important. The Phase I (Management/Technical) proposal length shall be limited to 70 single-sided or 35 double-sided pages, exclusive of the cover sheet, Table of Contents, and appendices. The offeror shall not submit verbatim sections or attachments of this solicitation as part of their proposal. Offers that do not meet these requirements may be subject to rejection.

b. A cover sheet identifying the offeror and the project shall be provided. The second sheet shall be a Table of Contents.

c. Table of Contents. The proposal shall contain a detailed Table of Contents. The complete Table of Contents shall be included in each binder used.

d. Materials submitted but not required by this solicitation (such as company brochures and equipment lists) shall be relegated to appendices.

e. Proposal revisions for written portions of the proposal, including catalog cuts and specifications, shall be submitted as page replacements with revised text readily identifiable, e.g. bold face print or underlined. The source of the revision, e.g. Error, Omission, or Clarification (EOC), amendment or other Contractor-initiated change, shall also be indicated for each revision. Revised pages shall be numbered, dated, submitted in same number of copies as the original proposal submittal, and a different color page than the original.

1.5.3.2 Drawings

a. Full size drawings shall be submitted in accordance with Section 1016, DESIGN DOCUMENT REQUIREMENTS. Each drawing shall be identified with the appropriate Sequence and Sheet Numbers in the lower right hand corner. The original and one copy of all drawings must be full size drawings. The remaining copies may be full size or reduced size, but no smaller than 11 x 17 inches.

b. All alternate designs, which may or may not be priced as additive or deductive items shall be graphically described on separate drawings from the base proposal design. All alternate designs shall meet the minimum requirements of the solicitation.

c. Proposal revisions for drawings shall be submitted as sheet replacements with all changes identified on the drawings with clouds and in the title block, including the source of the revision, e.g. Error, Omission, or Clarification (EOC), amendment, or other Contractor-initiated change. Revised drawings shall be numbered, dated, and submitted in the same number of copies as the original proposal submittal.

1.5.3.3 Electronic Material

The offeror shall submit one copy of the proposal and all revisions, if applicable, on CD-ROM. All textual material, catalog cuts, and other non-drawing material shall be in Adobe Acrobat Portable Document Format (.pdf), arranged in the same order as the hard copy version with each section or part book marked. All drawings shall be formatted in accordance with Section 1016 DESIGN DOCUMENT REQUIREMENTS, Paragraph ".CAL Files." The offeror must ensure that all textual material, if it has been scanned, has been converted to a text searchable document by using the Paper Capture tool in Adobe Acrobat.

1.5.4 Proposal Submission

The proposal submitted shall include an original, copies as indicated below, and one electronic copy on CD-ROM disk (Both Volumes of Phase II may be on the same CD-ROM disk.) Each proposal shall be marked to clearly identify the original and the copies. The copies shall be numbered. Volume II of Phase II shall be sealed in a single package separate from Volume I.

| | |
|---|---|
| Phase I – Management/Technical Proposal | Original and nine (9) copies |
| Phase II – Design Proposal | |
| Volume I | Original and nine (9) copies |
| Volume II | Original and one (1) copy |

1.6 REFERENCED PUBLICATIONS

Corps of Engineers' (COE) design criteria and manuals that are referenced in this solicitation, such as Technical Manuals (TM) and Instructions (TI), Military Handbooks, Engineering Regulations (ER), and Engineering Manuals (EM), can be downloaded from the Internet at the following address: http://www.hnd.usace.army.mil/techinfo or obtained from the current National Institute of Building Science's (NIB) Construction Criteria Base (CCB) CD-ROM disk. The COE SWD-AEIM, AR 190-51, and EC 1110-1-92 are on the Solicitation CD-ROM Disk. The Installation Information Infrastructure Architecture (I3A) guidelines can be downloaded from the Internet at the following address: http://arch-odisc4.army.mil/. Obtaining other referenced publications such as Federal and Military specifications, Military Standards, and industry standards (i.e., ASTM, ANSI, ACI, NFPA, building codes) will be the responsibility of each offeror. See Section 00100, paragraph "52.211-2 AVAILABILITY OF SPECIFICATIONS LISTED IN THE DOD INDEX OF SPECIFICATIONS AND STANDARDS (DODISS) AND DESCRIPTIONS LISTED IN THE ACQUISITION MANAGEMENT SYSTEMS AND DATA REQUIREMENTS CONTROL LIST, DOD 5010.12-L (AUG 1998)", for information on obtaining these publications. Offerors are warned that due to the limited time for proposal preparation and submittal, there may not be enough time for ordering and receiving any of the above references. Failure to receive requested references will not be sufficient reason for extension of the proposal submission date.

1.7 UNNECESSARILY ELABORATE PROPOSALS OR QUOTATIONS

Unnecessarily elaborate brochures or other presentations beyond those sufficient to present a complete and effective response to this solicitation are not desired and may be construed as an indication of the offeror's lack of cost consciousness. Elaborate artwork, expensive paper and bindings, and expensive visual and other presentation aids are neither necessary nor wanted.

1.8 REQUIREMENT FOR SPECIAL MARKING OF PROPOSAL DATA

Envelopes or other cover for material submitted in response to this RFP shall be opaque, and must be so presented that they may easily be identified. At a minimum, the outside cover for each phase must show:

Destination of Proposal
Name and location of project as described in the RFP documents
Solicitation number
Name and address of offeror
Project phase and volume number

Submit the proposal in the format specified. Oral or telephonic proposals or modifications will not be considered.

Mail or deliver the proposal to the address listed on the Standard Form 1442, "Solicitation, Offer and Award."

1.9 DESCRIPTION OF EVALUATION CRITERIA

1.9.1 Phase I – Management/Technical Proposal Preparation

The Management/Technical proposal shall include information as described below and shall be presented in the sequence listed.

**(AM#3)**

**A. Solicitation, Offer, and Award: The Standard Form 1442 shall be completely filled out and signed by a principal of the firm authorized to bind the design;-build team. Signatures(s) must be in long hand.**

**B. Project Organization and Personnel:**

1. Personnel **(AM#3) Primary Design Construction Team)**:

a. **This factor considers the offeror's proposed design, construction, and management team.** Provide professional resume data on the individuals who will be key personnel on the **(AM#3) Primary Design Construction** project team. Key personnel identified in this section should be **(AM#3) Primary Contractor's** senior working-level people who will be involved in design and construction on a day-to-day basis, as opposed to departmental level supervisors or executives. If reassignment of personnel is considered possible, provide the names and resumes of the alternate professionals in each assignment.

See Sections 01015, 01320, 01430, and 01451 for minimum personnel qualifications. The following list shall be provided as a minimum:

Project Manager
Project Architect
Senior Structural Engineer
Senior Mechanical Engineer
Senior Electrical Engineer
Senior Civil Engineer
Fire Protection Engineer
Registered Communication Distribution Designer
NACE Certified Corrosion Specialist
Design Quality Control Manager
Construction Quality Control Manager
Project Scheduler
**Interior Designer (AM#2)**
**Landscape Architect (AM#3)**

Information to be provided includes:

Name
Project assignment
Name of firm with which associated
Years experience: with this firm, with other firms
Education: degrees(s)/year/specialization
Active registration: state and year first registered
Experience and qualifications relevant to proposed project: for each project listed, provide project description, project dates, the individual's project assignment to include specific roles and responsibilities, and its relevance to this solicitation.

b. Identify the Designer(s)-of-Record for each discipline

c. In an appendix, provide letters of commitment for all key personnel on the **AM#3) Primary Design/Construction** project team and any proposed alternate personnel. By identifying these personnel, the offeror is making a commitment that, barring unforeseen circumstances, they are the personnel who will be assigned to the project. A letter of commitment from each firm committing specific individuals from the firm may be provided in lieu of separate letters for each individual.

d. Capacity to Perform

(1) Provide a list of key professional job titles. Indicate the total number of personnel in each category for the **(AM#3) Primary Design Construction Team** and consultants on the team and the number of personnel in each category who will be assigned to this project.

(2) Discuss capacity to successfully perform the requirements of this Contract based on current workload and staffing. Discuss strategy to provide supplemental and/or replacement personnel to support this project during design and/or construction, as necessary. In the appendix, provide a list of all current contracts for the **(AM#3) Primary Design Construction Team** , and consultants on the team.

2. Team Organization and Management:

a. Provide an organizational chart and supporting narrative describing how the team will be structured. Include all key design and construction personnel and firms on the organizational chart. Discuss the specific roles and responsibilities of each key individual and firm.

b. Describe the proposed management structure for the team. Discuss how the design and construction process will be managed, to include a discussion on delegation of authority within the team.

c. Describe interactions within the team and with the Corps of Engineers during design. Discuss how design changes will be handled and the roles that various team members will play when dealing with design changes. Discuss the role of construction team members during design phase.

d. Describe interactions within the team and with the Corps of Engineers during construction. Discuss how changes will be handled during construction and the roles that various team members will play when dealing with changes during construction. Discuss the role of design team members during construction. Specifically address design team's role in construction Quality Control program; Requests For Information (RFI's); shop drawing/submittal review and approval; attending progress meetings; site visits; inspections; and contract completion and closeout.

e. Describe the time control systems to be utilized. Discuss the use of the project schedule for managing the design and construction. Describe internal procedures for handling delays to minimize time growth.

f. Identify the items of work to be self-performed by offeror and the percentage of the overall contract value that this work represents.

g. Describe the team's computer-aided drafting and design (CADD) capabilities. Identify the CADD software to be used in the design of this project; if all disciplines are not using the same CADD software, identify the software that each discipline is using. Discuss compatibility with the Government's target CADD and compliance with the Tri-Service A/E/C/ CADD standards. Explain how compatibility will be achieved if the design, or portion of the design, is prepared using a CADD system other than the Government's target CADD system. (Refer to Section 01016 for information on the Government's target CADD system and compatibility requirements.)

**(AM#3) C. Experience**

1. Provide a list of projects currently underway or completed within the last 5 years that best demonstrates the design and construction experience of the team (firms and/or individual team members) to successfully complete this facility using a design/build process. Experience beyond 5 years ago for construction contractors will not be given consideration unless the key personnel proposed for this project played a significant role in the earlier project and the project can be shown to be similar to this project. An offeror must make clear the extent of involvement in those projects by current key personnel and clearly describe how the older project is similar to this project, considering changes in technology, materials, equipment, codes, etc. Experience beyond 5 years ago for design firms will not be given consideration.

List no more than 10 projects total. The list of projects shall include the following information:

a. Project name and location
b. Type of facility
c. Nature of firm's responsibility (design, construction or both)
d. Identify type of contract (design, design/build, or construction)
e. Project owner's name and address and project manager's (point of contact) name, telephone number, fax number, and email address (if known)
f. If a government contract, include the contracting agency and contracting officer's name, telephone number, fax number, and email address (if known)
g. Date started
h. Original scheduled completion date
i. Actual completion date
j. Overall size of facility (in square feet or square meters)
k. Construction cost (excluding design costs)
l. Duration of construction (excluding design time)
m. Problems encountered and corrective actions taken
n. Identify which proposed team members and/or firms were involved in the project; their specific roles and responsibilities on the project; and the extent of time they were involved with the project
o. Relevance of experience to the solicitation project

2. Joint Ventures: If offeror represents the combining of two or more companies for the purpose of this RFP, the proposal shall indicate whether the firms have experience working together in design/build ventures and for how long and how many projects. In addition, each company of this joint venture shall list their Government contract experiences.

**(AM#3) D. Past Performance:**

1. For each design and/or construction firm on the project team, provide firm's name, address, and DUNS number.

2. Offerors are encouraged to submit awards, letters, evaluations (ACASS, CCASS, and/or non-Corps evaluations), or other forms of recognition that demonstrates the performance capabilities and customer satisfaction for each firm on the team. If provided, this additional past performance information shall be included in an appendix and will not count towards the aforementioned page limitation.

3. For each non-Corps project listed under "Phase I: Experience" factor, offerors should send Client Authorization Letters and Contractor Performance Report (See Section 00500) to each reference listed in the proposal to assist in the timely processing of the past performance evaluation. In an appendix, provide a copy of issued letters with the offeror's proposal.

4. New Companies: For new companies entering the marketplace (without relevant company experience) it will be the quality of the past performance of their key management personnel **(AM#3) of the Primary Design Construction Team**, and consultants that will indicate the risk of good performance and become the basis of the past performance evaluation. Identifying how long key personnel stayed on their contracts and how well they managed their portion of the referenced contracts will be of great importance in the evaluation process.

**(AM#3) E. Financial Capacity:**

Submit a letter of current bonding capacity from a Bonding Company. This letter will not count towards the aforementioned page limitation.

## 1.9.2 Phase II – Design and Cost/Price Proposal Preparation

**VOLUME I – PRELIMINARY DESIGN PROPOSAL**

The purpose of the Preliminary Design Proposal is:

To provide sufficient design information for the Government to determine the acceptability of the proposed design in meeting the functional requirements set forth herein for operational use and economical maintenance during the anticipated life of the facility.

To provide data for a determination of the engineering sufficiency and soundness of the basic approach to the design for each technical discipline. Also, it will serve as a documentary check that the designer has been provided or has developed the essential engineering criteria necessary for all facets of final computations and detailed development of a thoroughly engineered, coordinated, economical, and functional design.

**A. Design Proposal**

1. The design proposal shall include, as a minimum, the following descriptive narratives, manufacturer's catalog data, and graphic information:

a. Narratives

(1) General Description

(a) Provide brief description of the facility addressing the overall design, materials components, and engineering. DO NOT INCLUDE DESIGN CALCULATIONS. Include the following:

(i) Basic site layout and the rationale behind the site design. Address existing site features, site demolition requirements, new utilities, site improvements, force protection requirements, camera (CCTV) layouts, landscaping, and irrigation.

(ii) Building's architectural configuration and the rationale behind the design. Address relationship of the site and site activities to the building. Address exterior and interior building materials. Discuss the compatibility of the proposed design and materials with the Fort Polk Installation Design Guide.

(iii)Building(s)' interior configuration, to include general discussion on interior finishes, including those in the library, classrooms, offices, general administrative areas, and common areas (copy rooms, break/vending areas, conference rooms, restrooms). Discuss use of common areas within the facility. DO NOT PROVIDE COLOR BOARDS.

(iv) NOT USED

(v)Structural system and the rationale behind the selection of the proposed system, including identification of major structural materials and systems.

(vi)Heating, Ventilation and Air Conditioning system and rationale behind the selection of the proposed system.

(vii)Fire protection system and the rationale behind the selection of the proposed system.

(viii)Exterior power distribution systems and the rationale behind the selection of the proposed system. Discuss service to the building and location. Identify type of wire. Identify whether aerial or underground.

(ix)Interior power distribution systems and the rationale behind the selection of the proposed system. Identify electrical characteristics of power supply (phase, voltage, KVA). Provide description of panels, protection devices and typical loading of circuits. Identify type of wire.

(x)Exterior lighting system and the rationale behind the proposed system. Address exterior lighting locations, illumination levels for each area, and lighting controls.

(xi)Interior lighting system and the rationale behind the selection of the proposed system. Address illumination levels for each area, emergency lighting, and lighting controls.

(xii)Exterior communications service to the facility. Discuss the proposed method for relocating existing underground communications line.

(xiii)Interior communications systems (telephone, data, cable TV, sound transmission) and the rationale behind the selection of each system.

(b) Describe the energy-efficient and/or energy-saving features proposed for this project.

(c) Discuss maintenance and accessibility considerations in the selection and layout of the mechanical and electrical systems.

(d) Identification of proposed methods of meeting security requirements.

(e) **If the design proposal includes any deviations from the RFP requirements, including functional or adjacency requirements, identify the deviation, provide justification for the deviation, and describe the benefit/improvement that the deviation provides to the facility.** (See Section 00150, paragraph "DESIGN FREEDOM".)

(f) **Identify all proposed betterments.** (See Section 00800, clauses entitled "DESIGN-BUILD CONTRACT ORDER OF PRECEDENCE" AND "PROPOSED BETTERMENTS".)

(2) Conceptual Considerations

(a) Discuss the overall architectural theme for this facility. Include in your discussion how the overall facility design, orientation and overall site layout contribute to the town center concept envisioned for the future development of this area of Fort Polk. Describe the aesthetics and ambiance proposed for the interior areas of the facility. DO NOT PROVIDE COLOR BOARDS.

(b) Provide a detailed narrative explaining the operational concept for the library and education center, to include the following information. Diagrams and/or flow charts may be provided to supplement the narrative.

(i) Discuss patron flow through the facility, to include facility entrances, lobby/waiting area(s), restrooms, ...
(ii) Discuss layout and flow through the facility for an operational perspective, to include: deliveries and distribution from the loading dock, use of the facility during regular and night hours and proposed future expansion capabilities.

b. Manufacturer Catalog Data

Manufacturer catalog data shall include industry standard quality indicators for the specific material or equipment and that will be used to establish the proposed construction quality during proposal evaluation. Data may be in the form of CSI standard product information formats Manu-Spec and Spec-Data, and/or manufacturer's specifications and details. Furnish data, arranged by CSI Divisions, on:

(1) Windows
(2) Doors
(3) Interior finishes, to include floors, base, walls, ceilings, toilet partitions, lavatory tops
(4) Exterior finishes, to include walls, roof, and soffits
(5) Interior and exterior light fixtures, including identification of where each proposed fixture type will be used
(6) Any other catalog data deemed pertinent

c. Graphic Information

Furnish preliminary drawings and schematics to illustrate the proposal. If a plan does not fit on one standard size drawing sheet at the scale specified, provide an overall plan to fit on one standard size drawing sheet plus individual sheets at the scale specified.

(1) Site Layout Plan, minimum scale 1" = 100', showing:
  (a) Building location
  (b) Service drives and parking
  (c) Location of site features (i.e. landscaping, sidewalks, lighting, mechanical and electrical equipment, dumpsters)
  (d) Set-backs

(2) Utility Layout Plan, minimum scale 1" = 100', showing:
  (a) Proposed utility locations
  (b) Electrical equipment

(3) Grading Plan, minimum scale 1" = 100', showing:
  (a) Finished floor elevation
  (b) Proposed slopes
  (c) Proposed drainage

(4) Architectural Floor Plans, minimum scale 1/8" = 1', with all areas identified, showing:
  (a) Gross area of building; exterior and interior dimensions; size of areas; critical and basic dimensions.
  (b) Area calculations
  (c) Door and window openings, including door swings
  (d) Preliminary finish schedule
  (e) Plumbing fixture locations, including drinking fountains
  (f) Furniture layout, with seating capacity indicated

(5) Exterior Elevations (all views), minimum scale 1/8" = 1', showing:

(a) Fenestrations and material indications.
(b) Critical and basic dimensions.
(c) Exterior finish materials.

(6) Building Sections (one transverse and one longitudinal), minimum scale 1/8" = 1', showing:
(a) Space for structural and HVAC systems.
(b) Clearances.
(c) Materials.
(d) Building and grade to 5 foot line.
(e) Sloped roof and flat roof intersections.
(f) Crawl space (if proposed).

(7) Typical Exterior Wall Sections including foundations, minimum scale 3/4" = 1', indicating materials, key vertical dimensions, and clearances.

d. Sustainable Design. Using the Sustainable Project Rating Tool (SPiRiT), provide a self-assessment of the sustainability features of the facility (see Volume IV ATTACHMENTS for the Sustainable Project Rating Tool manual and rating sheets). For each required element and for each point-scored element where you will meet (or exceed) the requirement, provide justification of how you will meet the stated requirement. Goal is minimum Silver level certification. If Silver level certification cannot be attained, discuss the factors that prevent achieving this goal.

**B. Preliminary Project Schedule**.

A time-scaled logic diagram shall be submitted with the Preliminary Design proposal reflecting the detailed design phase activities and summary level construction activities from Notice to Proceed through final completion, including all option work. Project Schedule shall conform to Section 01320 PROJECT SCHEDULE and may be used for preparation of the Preliminary Schedule required in Section 01320 after award. The following information shall be included as a minimum:

1. Detailed design activities
2. Summary level construction activities
3. Phasing requirements
4. Critical Path
5. Milestones and Constraints
6. Overall Design Duration, in calendar days
7. Overall Construction Duration, in calendar days
8. Overall Proposed Duration, in calendar days

The contractor shall propose the contract durations for Work Item #1, Design and Construction of the new facility. The proposed duration shall not exceed the duration specified in Section 01000, Design and Construction Schedule. The proposed schedule shall support the proposed duration. Upon contract award, the successful offeror's proposed duration shall become the contract duration for Work Item #1. It should be noted that the Government will include provisions in the contract for liquidated damages for each calendar day the Contractor exceeds the contract schedule.

**(AM#3)**
**VOLUME II Pro Forma Requirements**

**C. (AM#3) Pro Forma Documents**

1. Solicitations, Offer and Award. The Standard Form 1442 shall be completely filled out and signed by a principal of the firm authorized to bind the design-build team. Signature(s) must be in long hand.

2. Price Proposal Schedule **(AM#3)** Prices shall be firm. The offeror's price, to be considered in the competitive negotiation evaluation, shall be the offeror's Total Base Bid, plus all options, as shown on

the price proposal schedule. The cost/price proposal will be evaluated separately, after evaluation of design proposal. The cost/price proposal shall consist of the following:

a. Offerors shall complete the Price Proposal Schedule by filling out the pricing data blanks.

b. Overhead and profit shall be applied proportionally to each category and will not be required to be shown separately.

c. Offerors shall include allowance for weather days in the Cost/Price Proposal and shall schedule any contingency for severe weather in accordance with weather requirements included in Section 01000, DESIGN AND CONSTRUCTION SCHEDULE.

3. Bid Guarantee. The bid guarantee shall be submitted in accordance with Section 00700, Contract Clauses.

4. Representations and Certifications. Representations are local, state, and federal representative statements and certifications made by the Offeror concerning a variety of issues. Complete each item in Section 00600, REPRESENTATIONS AND CERTIFICATIONS, and submit one original with the Phase II proposal.

5. Subcontracting Plan. (Applies to Large Businesses only.) All large businesses shall submit a subcontracting plan with their technical and price/cost proposals. The plan shall be prepared in accordance with FAR 52.219-9. Failure to submit an acceptable subcontracting plan may make the offeror ineligible for award of the contract. The submission of the subcontracting plan is in no way advantageous to large businesses over any small business in the evaluation process. A sample subcontracting plan and scoring checklist are included on the solicitation CD-ROM disk. See Section 00100, paragraph SMALL BUSINESS SUBCONTRACTING PLAN for additional information and Fort Worth District subcontracting floors.

6. Small Disadvantaged Business (SDB) Utilization Plan. (Applies to all Offerors.) Offerors shall submit a SDB Utilization Plan, to include the following information:

a. Identification of each SDB concern proposed and the work each is to perform. (See NOTE below regarding SDB certification.)

b. Targets expressed in dollars and percentages representing each SDB concern's participation of the total contract value.

c. Total target value of all SDB participation, expressed in dollars and percentages of the total contract value.

The offeror is put on notice that any targets represented in submitted proposal will be incorporated into and become part of any resulting contract.

NOTE: All proposed SDB concerns must be certified by the Small Business Administration and listed in the online database PRO-Net. SDB concerns may register in PRO-Net at http://pronet.sba.gov.

## 1.10 CLARIFICATIONS AND FINAL PROPOSAL REVISION

### 1.10.1 General

Any conflicting criteria which cannot be resolved by the Order of Precedence specified in Section 00800 SPECIAL CONTRACT REQUIREMENTS shall be brought to the attention of the Government by the Offeror as part of the written clarification requirement of the proposal. In the absence of such request for clarification, the Offeror shall perform to the most beneficial criteria as determined by the Government.

### 1.10.2 Clarifications Prior to Proposal Due Date

In the event that clarifications are required prior to submitting either the Phase I or II proposal, contact the individuals listed in Section 00100, INSTRUCTIONS TO OFFERORS. All RFP holders will be advised of significant clarifications affecting the scope of the project.

### 1.10.3 Clarifications Submitted with Proposals

For clarifications remaining at the time and date that proposals are due, written clarifications may be included in the proposal for consideration by the Government. Clarifications submitted with proposals shall clearly identify the understanding of the RFP documents and how this understanding is reflected in the cost proposal. Extensive qualifications, exclusions and exceptions in the form of clarifications may be considered by the Government to be non-responsive and may be grounds for rejection of the proposal.

### 1.10.4 Final Proposal Revision

If the Contracting Officer determines that discussions are necessary, all offerors in the competitive range will be given an opportunity to submit a final proposal revision. All proposal revisions must be submitted as required in paragraphs 1.5.3.1 and 1.5.3.2.

## 1.11 PAYMENT FOR PROPOSALS

Those offerors given the opportunity to offer Phase II proposals but not awarded the Design/Build contract are eligible to receive $25,000 (each) as a proposal development fee. To receive this fee, the eligible offeror must have submitted a Phase II proposal that met the minimally acceptable design criteria, not have withdrawn their proposal prior to award of the Design/Build contract, and agree to give the Government total and unlimited rights to the design submitted in their Phase II proposal. After notification to the unsuccessful offerors in Phase II, a purchase order will be issued to all eligible offerors. Payment will be made upon acceptance by the offeror of the purchase order incorporating the above conditions.

Those offerors who do not want to give the Government total and unlimited rights to their design must state in their proposal that they are waiving their right to receive the proposal development fee.

## 1.12 NOTICE

Failure to submit all the data indicated in this section may be cause for determining a proposal non-responsive and, therefore, not considered for award.

## 2 PRODUCTS (NOT USED)

## 3 EXECUTION (NOT USED)

END OF SECTION

SECTION 00150
PROPOSAL EVALUATION AND CONTRACT AWARD
**01/02**

1 GENERAL

1.1 PROPOSAL EVALUTION

Phase I and Phase II proposals will be evaluated by a Technical Evaluation Board (TEB). The TEB will be made up of Corps of Engineers and Fort Polk personnel. Board members will not be available for contact or discussion prior to submission of proposals.

1.2 EVALUATION CRITERIA

1.2.1 Phase I Criteria

The Management/Technical proposal evaluation criteria below correspond to the outline specified in Section 00120 – PROPOSAL SUBMISSION REQUIREMENTS. **(AM#3)** Factors **B, C, and D** are of equal importance and will be given a quality rating. Sub-factors within each factor are of equal importance, unless identified otherwise. Those offerors with no relevant performance history will be assigned a neutral rating in past performance factor. **(AM#3)** Factor **A and E** will be rated "go" or "no go."

Phase I – Management/Technical Proposal

**(AM#3)**

**A. Solicitation, Offer, and Award**

**1. The Standard Form 1442 shall be complexly filled out, acknowledgement of amendments issued prior to Phase I proposal due date and signed by a principal of the firm authorized to bind the design-build team. Signature(s) must be in long hand.**

**(AM#3)**

**B. Project Organization and Personnel**

1. Personnel (Prime and Subcontractor).

The TEB will evaluate the adequacy, strengths and weakness of key personnel assignments, to include compliance with registration and/or other specified minimum qualification requirements; qualifications and experience relevant to the proposed project; familiarity with local conditions; and familiarity with applicable building codes and standards.

The TEB will verify that the Designer of Record has been identified for each design discipline and that letters of commitment have been provided for all key personnel on the project team.

The TEB will evaluate the personnel resources assigned to the project and the ability to provide additional resources for the team if supplemental or replacement personnel are required. Consideration will be based on degree of coverage by discipline for all aspects of design and construction, depth of additional resources to supplement the planned resources, if necessary; whether same-discipline depth is from the same firm/office as the key personnel in that discipline or from a different firm or office.

2. Team Organization and Management

The TEB will evaluate the team structure, the strength of the team organization and the responsibilities for each key individual and firm on the team.

The TEB will evaluate the management structure, delegation of authority, and offeror's approach to managing the design-build process. The TEB will assess the offeror's ability to coordinate the design and construction personnel in a team effort, as evidenced by the offeror's approach to managing the design-build team, delegation of authority, and team interaction and communication during design and construction.

The TEB will assess the offeror's approach to managing and controlling time during design and construction. Consideration will be given to the scheduling system to be used and compatibility of the offeror's scheduling system with the Government's scheduling system. The offeror's use of the schedule in managing the project will be evaluated.

The TEB will evaluate the work to be self-performed by the offeror (percentage and type). Additional consideration will be given to those offerors that exceed the minimum requirements for work to be self-performed, as identified in the contract clause entitled "Performance of the Work by the Contractor."

The TEB will evaluate the compatibility of the proposed CADD system with the Government's target CADD system and Tri-Service A/E/C CADD standards. Additional consideration will be given for designs prepared in the Government's target CADD system. The amount of consideration will depend on the extent to which the target CADD system is used by the various design disciplines in preparing the design.

**(AM#3)**

**C. Experience**

1. The offeror will be evaluated based on the recent experiences of the team (firms and/or individual team members). The amount of consideration will depend upon the extent of the offeror's experience, similarity between previous project scopes of work and this project, and the relevance of the offeror's experience to this project. Experience in the following areas will be considered, in descending order of importance:

a. Experience with library and training facilities of similar size and scope. Design, construction, and/or design-build experience are all considered relevant.

b. Previous experience as a team. Extent to which members of the proposed team have worked together on previous projects as a team will be considered. Consideration will be given for previous design team experience, construction team experience and design-build team experience.

c. Design-build experience. No previous design-build experience is necessary to qualify for award of this project. Design-build experiences of the individual design firms and construction firms are considered relevant. Consideration will be given for recent successful design-build experience of the individual firms with the proposed project team, as well as experience with other project teams. Previous design-build experience of the proposed team as a team will also be considered under "previous experience as a team" above.

d. Sustainable design experience. Sustainable design experience is not necessary to qualify for award of this project. However, consideration will be given for sustainable design experience and familiarity with SPiRiT or LEED (U.S. Green Building Council) criteria and requirements.

e. Experience with Corps of Engineers or other federal contracts. Familiarity with federal regulations and administration of Corps of Engineers or other federal contracts are considered relevant.

f. Experience with design and/or construction at Fort Polk or in the local vicinity. Familiarity with Fort Polk installation requirements and the local vicinity is considered relevant.

**(AM#3)**

**D. Past Performance**

1. Past performance of the offeror, subcontractors, consultants, and key individuals will be considered in evaluating past performance, utilizing information provided in the proposal and other information available to the Contracting Officer, including but not limited to the following:

a. CCASS Evaluations. CCASS evaluations will be utilized to evaluate past performance on Corps of Engineers contracts for construction firms on the offeror's Design-Build team.

b. ACASS Evaluations. ACASS evaluations will be utilized in evaluating the past performance on Corps of Engineers contracts for Architect-Engineering firms on the offeror's Design-Build team.

c. Contractor Performance Record. Submitted Contractor Performance Records will be verified telephonically. References not supported by a Contractor Performance Record will be contacted in writing or telephonically to assess customer satisfaction.

**(AM#3)**

**E. Financial Capacity**

The TEB will verify that a letter of current bonding capacity has been provided and that the offeror has sufficient bonding capacity for this project. A current Dun and Bradstreet profile will be reviewed to verify that the offeror's financial standing is satisfactory.

1.2.2 Phase II Criteria

The Phase II evaluation criteria below correspond to the outline specified in Section 00120 PROPOSAL PREPARATION. Factor A is significantly more important than Factor B. The sub-factors are listed in descending order of importance. Unless noted otherwise, elements within each sub-factor are listed in descending order of importance. All sub-factors with in Factor C will be rated "go" or "no-go," with the exception of cost/price, which will not be rated.

Phase II – Preliminary Design Proposal

**A. Design Proposal (Volume I)**

1. Soundness and quality of design

a. Durability of materials
b. Functional aspects of facility
c. Design rationale
d. Disposition of existing utility lines
e. Compatibility of design and materials with Fort Polk Installation Design Guide

2. Comfort, aesthetics and amenities

a. Aesthetics of the facility (interior and exterior)
b. Facility layout and flow through the facility
c. Site features and site layout
d. Force protection features
e. HVAC system
f. Accessibility and maintenance requirements for mechanical and electrical systems

g. Facility enhancements
h. Energy-efficient and/or energy-saving features
i. Future building expansion

3. Sustainable Design (Sustainable Project Rating Tool - SPiRiT criteria): Goal is to achieve SPiRiT Silver level certification. Additional consideration will be given for achievement of higher SPiRiT levels. See Volume 4, Attachment J, of the solicitation for the SPiRiT manual and rating sheets.

**B. Preliminary Project Schedule (Volume I)**

The schedule will be evaluated to assess the offeror's understanding of the design-build process, project scope, phasing requirements, milestones and constraints, and critical elements in design and construction. The design and construction periods offered, the proposed contract durations, and the overall project schedule will be evaluated for realism and for benefits they provide to the Government.

**((AM#3)**

**C. Pro Forma Requirements (Volume II)**

1. Standard Form 1442

2. Price proposal schedule, Section 00010

3. Bid Guarantee

4. Representation & Certifications, Section 00600

5. Subcontracting Plan (large businesses only)

The subcontracting plan will be reviewed for compliance and scored in accordance with Army Federal Acquisition Regulation Supplement (AFARS) Appendix DD. Failure to submit an acceptable subcontracting plan may make the offeror ineligible for award of the contract.

6. Small Disadvantaged Business Utilization (SDB) Plan. The SDB utilization plan will be reviewed based on the following criteria:

a. The extent to which SDB concerns are specifically identified.

b. The extent of commitment to use SDB concerns.

c. The complexity and variety of the work SDB concerns are to perform.

d. The extent of participation of SDB concerns in terms of the value of the total acquisition.

1.3 DESIGN FREEDOM

REQUIREMENTS STATED IN THIS RFP ARE MINIMUM REQUIREMENTS. Innovative, creative, or cost-saving proposals that meet or exceed these requirements are encouraged and will receive consideration accordingly. Deviations from space and adjacency requirements are discouraged unless the change results in a significant improvement to the facility. Deviations from any requirements should be clearly noted and justified in the proposal. Informative drawing notes are encouraged.

1.4 METHOD OF PROPOSAL EVALUATION

1.4.1 Government's Rights and Goals

The Government reserves the right to reject any or all proposals at any time prior to award; to award a contract to other than the offeror submitting the lowest priced offer; and to award a contract to the offeror submitting the proposal determined to be the most advantageous to the Government. It is the Government's goal to award the project within its construction cost limitation. Significant variation from this amount could result in the Government's inability to award based on lack of funding authority.

1.4.2 Evaluation Process

All proposals will be reviewed to determine if the minimum data and technical requirements have been met. A proposal may be determined to be unacceptable and therefore eliminated if all the required information is not provided or if the proposal materially deviates from the requirements of the RFP.

Weighing of evaluation criteria will take into consideration not only how important a particular element is to the overall project, but also the innovative, creative, or cost-saving elements which may be incorporated into the proposal (see paragraph "DESIGN FREEDOM") and are advantageous to the Government.

Offerors submitting Phase I proposals that are the most highly rated, not to exceed four, will be invited to submit a proposal for Phase II.

1.4.3 Basis of Award

The Government intends to award a contract without discussions based on initial Phase I and Phase II proposals received; therefore, the offerors proposal should contain the offeror's best terms from a cost and technical standpoint. However, the government reserves the right to conduct discussions in accordance with FAR 52.215-1. The Government will select offers from Phase I that are the most highly rated, not to exceed four, to participate in Phase II. No discussions will be held as a result of Phase I evaluations. Should discussion be necessary after Phase II evaluations, the Government will establish a competitive range of the offerors that are the most highly rated. The Government reserves the right to address any pertinent issues in either Phase I or Phase II.

An award will be made to the offeror whose offer contains the combination of the criteria offering the best overall proposal to the Government based on consideration of technical merit, cost and other pertinent factors as specified in the RFP. Phase I – Management/Technical proposal is considered less important than **(AM#3)** **Phase II** Volume I, Preliminary Design Proposal~~. of Phase II – Phase II Cost/Price proposa~~l and will carry less weight in the overall rating of the proposals. The combined **Phase I** Management/Technical and **Phase II** Preliminary Design proposal rating is significantly more important than Cost/Price.

END OF SECTION

# CHAPTER C

# INTERIORS

## PERFORMANCE

A. Basic Function:

1. Provide appropriately finished interiors for all spaces indicated in the program, equipped with interior fixtures as required to function properly for specific occupancies.

2. Interiors comprise the following assemblies:
   a. Interior Construction (C1): All elements necessary to subdivide and finish space enclosed within the shell, including applied interior surfaces of the exterior enclosure.
   b. Interior Fixtures (C2): All elements attached to interior construction that add functionality to enclosed spaces, except for elements classified as equipment or services fixtures.

3. Provide finishes for interior surfaces that are appropriate for the functions of each space.

4. Provide interior fixtures that are necessary for the proper functioning of each space.

5. Where interior elements also must function as elements defined within another element group, meet requirements of both element groups.

6. In addition to the requirements of this chapter, comply with all applicable requirements of Chapter 111 - Facility Performance.

B. Amenity and Comfort:

1. View: Provide views to the building exterior from most locations within primary interior spaces.
   a. View spaces include the following types:
      1) Occupant Work (SP2 Spaces).

2. Natural Light:
   a. Daylighting: Provide ambient natural lighting in primary spaces that is of intensity adequate for essential tasks when measured on a typical overcast winter day in midafternoon.
   b. **DELETED (AM#3)**
   c. **DELETED (AM#3)**
   d. Daylight Control: Provide local devices to enable occupants to control brightness and glare from direct daylighting.
      1) Window treatments as specified in Chapter C23 shall be used to comply with this requirement.
      2) Do not use fabric window treatments.

3. Appearance: Provide interiors that are pleasing in appearance and do not detract from the primary functions performed in each space.

C. Health and Safety:

1. Egress: Provide egress from all interior spaces in accordance with code.

2. Fire Resistance: Design and select materials to provide fire resistance in accordance with code.
   a. Minimum performance values for individual interior elements are also specified in other chapters.
   b. Substantiation:
      1) Design Development: Identification of assemblies required to have fire resistance rating and method to be used to achieve rating.
      2) Construction Documents: Identifying numbers placed on the construction drawings.

D. Structure:

1. Structural Performance: Provide interior construction and fixtures to support without damage all loads required by code.

E. Durability:

1. Service Life Span: Same as building service life, except as follows:
   a. Interior Doors and Other Operable Elements: Minimum 15 years functional and aesthetic service life.
   b. Interior Ceiling Finishes: Minimum 15 years functional and aesthetic service life; including suspended ceilings.
   c. Interior Wall and Floor Finishes: Minimum 10 years functional and aesthetic service life.
2. Wear Resistance: Provide interior construction and fixtures that are suitable in durability for the degree and type of traffic to be anticipated in each space.
3. Water Resistance: At toilet rooms, provide interior construction and fixtures that will not be damaged by water or high humidity.

**PRODUCTS**

A. Do not use:

1. Cast-in-place concrete.
2. Exposed wood.
3. Particleboard of any type.
4. Portland cement plaster.
5. Gypsum plaster.
6. Wood framing.

**END OF CHAPTER C**

# CHAPTER C16

# INTERIOR FINISHES

## PERFORMANCE

A. Basic Function:

1. Provide appropriately finished interiors for all spaces required by the program.

2. Interior finishes comprise the following elements:
   a. Wall finishes, including those applied to the interior face of exterior walls and to the vertical faces of superstructure elements.
   b. Floor finishes.
   c. Suspended ceilings and soffits.
   d. Applied ceiling finishes.
   e. Finishes applied to other interior surfaces.

3. Where interior finishes are integral with elements defined within another element group, meet requirements of both element groups.

4. In addition to the requirements of this chapter, comply with all applicable requirements of Chapter 111 - Facility Performance, Chapter C - Interiors, and Chapter C1 - Interior Construction.

B. Amenity and Comfort:

1. Thermal Performance:
   a. Interior Wall Finishes at Exterior Walls: Provide vapor permeance of 1 perm (57 ng/Pa/s/sq m) maximum when tested in accordance with ASTM E 96-2000.

2. Reflectivity:
   a. Glare: Provide interior finishes that will not result in discomfort glare due to excessive contrast with light sources.
      1) Ceiling Surfaces: Not less than 50 percent reflectivity, when measured in accordance with ASTM E 1477-1998a.
      2) Wall Surfaces: Not less than 30 percent reflectivity.
      3) Floor Surfaces: Not less than 20 percent reflectivity.
   b. Specular Reflections: Provide interior finishes that will minimize specular reflections.

3. Acoustical Performance:
   a. Sound Absorption: Provide surfaces with minimum Noise Reduction Coefficient (NRC) **(AM#3)** _____ measured and calculated in accordance with ASTM C 423-2000:

C. Health and Safety:

1. Slip Resistance: For spaces subject to floor wetting, including entry lobbies, provide floor finishes with inherent slip resistance under wet conditions.
   a. At building entries, provide means for reducing or minimizing moisture and debris on shoe soles.

2. Slip Resistance: At stairs and corridors, provide floor finishes with minimum static coefficient of friction of 0.60, measured in accordance with ASTM D 2047-1999.

D. Durability:

1. Wall Protection: In corridors, provide impact resistant corner guards or wall surfaces that are inherently resistant to impact damage due to rolling carts.

2. Flooring: Provide floor finishes that are appropriate for anticipated usage and traffic in each area, based on a 10 year replacement cycle.

**PRODUCTS**

A. Do not use:

1. Portland cement terrazzo.
2. Precast terrazzo.
3. Thinset epoxy terrazzo.
4. Thinset polyacrylate terrazzo.
5. Acoustical panel ceilings.
6. Acoustical metal pan ceilings.
7. Athletic flooring.
8. Plastic laminate flooring.
9. Cushioned wood flooring.
10. Wood parquet flooring.
11. Wood strip flooring.
12. Fluid-applied flooring.
13. Sheet carpet, glued-down.
14. Sheet carpet, stretched-in.
15. Wallpaper.
16. Flexible wood veneer wall covering.

**END OF CHAPTER C16**

# CHAPTER C23

# WINDOW TREATMENT

## PERFORMANCE

A. Basic Function:

1. Provide window treatments attached to interior construction that are necessary for adequate control of light, glare, privacy, and views for spaces with exterior windows.

2. Where window treatments are integral with elements defined within another element group, meet requirements of both element groups.

3. In addition to the requirements of this chapter, comply with all applicable requirements of Chapter 111 - Facility Performance, Chapter C - Interiors, and Chapter C2 - Interior Fixtures.

B. Amenity and Comfort:

1. Thermal Comfort: Provide window treatment throughout project that enhances interior thermal comfort.
   a. Substantiation:
      1) Design Development: Product data on thermal properties of proposed window treatments.

2. Accessibility: Comply with ADA Accessibility Guidelines and the following:
   a. Extent: Provide accessible controls for all window treatments, regardless of location.
   b. Location: Where accessible window treatments are required, provide controls that are mounted so they can be reached from a wheelchair and are not more than 48 inches (1220 mm) and not less than 15 inches (380 mm) from the floor.

3. Light and Glare Control with View: Provide window treatment throughout project that will allow control of light, glare, and solar heat gain in closed position while retaining some level of view to exterior.

4. Convenience: Provide window treatment throughout project with controls that are conveniently located and easily operated.

5. Appearance: Provide window treatment throughout project that is coordinated with window modules and does not conflict with expression of architectural elements of interior construction.

C. Health and Safety:

1. Combustibility: Provide window treatments throughout the project that are made of fire-retardant treated materials.

D. Durability:

1. Colorfastness: Provide window treatment throughout project that is resistant to degradation from exposure to ultraviolet light.
   a. **DELETED (AM#3)**

## PRODUCTS

A. Window Blinds:

1. Do not use:
   a. Horizontal wood mini-blinds.
   b. Horizontal wood blinds.
   c. Vertical aluminum blinds.
   d. Vertical PVC blinds.

e. Vertical fabric blinds.

B. Window Shades:

1. Do not use:
   a. Top-mounted fabric cellular (honeycomb) shades.

# CHAPTER C25

# FIXED SEATING

## PERFORMANCE

A. Basic Function:

1. Provide seats for occupants and visitors of the type and in the quantity required by the project program and in accordance with the code.
   a. Conference Seating:
      1) Application: In lecture hall and conference center.
      2) Seats of standard depth, standard width, standard height, and standard resilience; backs of standard height, standard resilience, and standard pitch; with fold-away tablet arm and underseat book rack; tilt and swivel.
2. Where fixed seating also must function as elements defined within another element group, meet the requirements of both element groups.
3. In addition to the requirements of this chapter, comply with all applicable requirements of Chapter 111 - Facility Performance, Chapter C - Interiors, and Chapter C2 - Interior Fixtures.

B. Amenity and Comfort:

1. Comfort:
   a. Seat Width:
      1) **DELETED (AM#3)**
      2) Standard: 20 inches (510 mm) center-to-center, 17 inches (430 mm) minimum seat width.
   b. Seat Depth:
      1) **DELETED (AM#3)**
      2) Standard: 17 inches (430 mm) deep, minimum front edge to most forward point of back.
   c. Seat Height: Plus or minus 1/2 inch (12 mm).
      1) Standard: 17 inches (430 mm).
   d. Seat Contour: Accomplished using seat base or padding.
      1) All Other Seating: Molded, shaped, or contoured front-to-back and side-to-side, to fit body, with rounded or padded front edge.
   e. Seat Pitch:
      1) Conference Seating: 2 to 3 percent, front to back.
   f. Seat Resilience:
      1) Nominal: Has "give" when sat upon.
      2) Standard: Equivalent to 2 inches (50 mm) of polyurethane foam and springs.
   g. Back Height: Measured from top of seat at point at which straight line projection of surface of back intersects with seat; plus or minus 1/2 inch (12 mm).
      1) Standard: 17 inches (430 mm).
   h. Back Pitch: Slope back from seat, allowing minor contour of back, measured from intersection of straight line projection of surface of back with seat to top front edge of back.
      1) Standard: 20 degrees.
   i. Back Contour: Accomplished using seat base or padding.
      1) Molded: Contoured side-to-side, to fit body.
   j. Back Resilience:
      1) Standard: Equivalent to 2 inches (50 mm) of polyurethane foam.
   k. Arm Height: 7 to 8 inches (180 to 200 mm) above seat.
      1) Conference: Level arms.
   l. Arm Resilience:
      1) None: Rigid.

2) Padded: Equivalent to 3/4 inch (19 mm) of polyurethane foam.

2. Convenience:
   a. Flip-Up Seats: Provide self-rising seats wherever appropriate to increase spacing between rows when exiting and where indicated in Program.
   b. Writing Surfaces:
      1) Tablet Arms: Nominal size of 12 x 12 inches (300 x 300 mm).

C. Health and Safety:

1. Fire Retardance:
   a. Seats and Backs: Self-extinguishing when mock-up is exposed to smoldering cigarettes in accordance with ASTM E 1352-1999 or NFPA 261-1998.
   b. Any Individual Seating Item: Maximum instantaneous net peak rate of heat release of 250 kW or less, and total energy released during first 5 minutes of 40 mJ or less, when tested in accordance with NFPA 266-1998 or ASTM E 1537-1999.

D. Durability:

1. Service Life Span: Same as for building; upholstery: minimum of 30 years.

2. Vandal Resistance: Parts not easily removed without the use of tools.

E. Operation and Maintenance:

1. Ease of Maintenance: Not requiring any routine measures to maintain operation or finishes, other than washing with soap and water.

2. Ease of Repair:
   a. Seating Units: Modular units that can be replaced without removal of other units.

**PRODUCTS**

A. Conference Seating:

1. Do not use:
   a. Fixed ganged and beam-supported seating.
   b. Movable one-piece chairs.
   c. Pews.
   d. Benches.
   e. Telescoping platforms.

**END OF CHAPTER C25**